

## SEQUENCE LISTING

&lt;110&gt; BASF AKTIENGESELLSCHAFT et al.

<120> METHODS FOR THE PREPARATION OF A FINE  
CHEMICAL BY FERMENTATION

&lt;130&gt; BGI-160PC2

&lt;150&gt; PCT/IB2003/006435

&lt;151&gt; 2003-12-18

&lt;160&gt; 15

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 1660

&lt;212&gt; DNA

&lt;213&gt; Corynebacterium glutamicum

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (301)...(1563)

&lt;400&gt; 1

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atg gtg aaa	cgt caa ctg	ccc aac ccc	gca gaa cta	ctc gaa ctc	atg	348
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Ala Leu Thr	Ile Tyr Asp	Leu Arg Lys	Ile Ala Lys	Arg Arg Thr	Pro	
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gct gcc gcg	ttc gag tac	acc gag ggc	gca gcc gag	gcc gaa ctc	tca	492
Ala Ala Ala	Phe Asp Tyr	Thr Asp Gly	Ala Ala Glu	Ala Glu Leu	Ser	
50	55	60				

atc aca cgc	gca cgt gaa	gca ttc gaa	aac atc gaa	ttc cac cca	gac	540
Ile Thr Arg	Ala Arg Glu	Ala Phe Glu	Asn Ile Glu	Phe His Pro	Asp	
65	70	75	80			

atc ctc aag	cct gca gaa	cac gta gag	acc acc acc	caa atc ctg	ggc	588
Ile Leu Lys	Pro Ala Glu	His Val Asp	Thr Thr Thr	Gln Ile Leu	Gly	
85	90	95				

gga acc tcc	tcc atg cca	ttc ggc atc	gca cca acc	ggc ttc acc	cgc	636
Gly Thr Ser	Ser Met Pro	Phe Gly Ile	Ala Pro Thr	Gly Phe Thr	Arg	
100	105	110				

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Leu Met Gln Thr Glu Gly Glu Ile Ala Gly Ala Gly Ala Ala Gly Ala	
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Val Met Arg Asp Arg Glu Ile Ser Tyr Gly Leu Val Glu Arg Ala Ala	
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Thr Gly Gly Thr Val Gly Asp Leu Leu Asn Ser Ala Met Asp Pro Thr	
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Ile Ser Tyr Glu Asp Leu Lys Val Ile Arg Glu Met Trp Pro Gly Lys	
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Glu Val Gly Ser Glu Pro Thr Ile Met Ile Asp Thr Gly Ile Met Asn	
325 330 335	
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Gly Ala Asp Ile Val Ala Ala Val Ala Met Gly Ala Asp Phe Thr Leu	
340 345 350	
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Val Asp Arg Thr Ile Ala Ile Leu Arg Ser Glu Ile Thr Arg Thr Met
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Ala Leu Leu Gly Val Ser Ser Leu Glu Glu Leu Glu Pro Arg His Val
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acc cag ctg gcc aag atg gtt cca gtt tct gac gca act cgt tct gca   1548
Thr Gln Leu Ala Lys Met Val Pro Val Ser Asp Ala Thr Arg Ser Ala
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Ala Ala Glu Ile *
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<213> Corynebacterium glutamicum

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Ala Leu Thr Ile Tyr Asp Leu Arg Lys Ile Ala Lys Arg Arg Thr Pro
   35      40      45
Ala Ala Ala Phe Asp Tyr Thr Asp Gly Ala Ala Glu Ala Glu Leu Ser
   50      55      60
Ile Thr Arg Ala Arg Glu Ala Phe Glu Asn Ile Glu Phe His Pro Asp
   65      70      75      80
Ile Leu Lys Pro Ala Glu His Val Asp Thr Thr Thr Gln Ile Leu Gly
   85      90      95
Gly Thr Ser Ser Met Pro Phe Gly Ile Ala Pro Thr Gly Phe Thr Arg
  100     105     110
Leu Met Gln Thr Glu Gly Glu Ile Ala Gly Ala Gly Ala Ala Gly Ala
  115     120     125
Ala Gly Ile Pro Phe Thr Leu Ser Thr Leu Gly Thr Thr Ser Ile Glu
  130     135     140
Asp Val Lys Ala Thr Asn Pro Asn Gly Arg Asn Trp Phe Gln Leu Tyr
  145     150     155     160
Val Met Arg Asp Arg Glu Ile Ser Tyr Gly Leu Val Glu Arg Ala Ala
  165     170     175
Lys Ala Gly Phe Asp Thr Leu Met Phe Thr Val Asp Thr Pro Ile Ala
  180     185     190
Gly Tyr Arg Ile Arg Asp Ser Arg Asn Gly Phe Ser Ile Pro Pro Gln
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Leu Thr Pro Ser Thr Val Leu Asn Ala Ile Pro Arg Pro Trp Trp Trp
  210     215     220
Ile Asp Phe Leu Thr Thr Pro Thr Leu Glu Phe Ala Ser Leu Ser Ser
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 305 310 315 320  
 Glu Val Gly Ser Glu Pro Thr Ile Met Ile Asp Thr Gly Ile Met Asn  
 325 330 335  
 Gly Ala Asp Ile Val Ala Ala Val Ala Met Gly Ala Asp Phe Thr Leu  
 340 345 350  
 Ile Gly Arg Ala Tyr Leu Tyr Gly Leu Met Ala Gly Gly Arg Glu Gly  
 355 360 365  
 Val Asp Arg Thr Ile Ala Ile Leu Arg Ser Glu Ile Thr Arg Thr Met  
 370 375 380  
 Ala Leu Leu Gly Val Ser Ser Leu Glu Glu Leu Glu Pro Arg His Val  
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 405 410 415  
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 <213> Artificial Sequence

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 <223> Oligonucleotide

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<210> 5  
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 <213> Corynebacterium glutamicum

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4323

&lt;210&gt; 6

&lt;211&gt; 5860

&lt;212&gt; DNA

&lt;213&gt; Corynebacterium glutamicum

&lt;400&gt; 6

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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Oligonucleotide

&lt;400&gt; 7

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38

&lt;210&gt; 8

&lt;211&gt; 38

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Oligonucleotide

&lt;400&gt; 8

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38

&lt;210&gt; 9

&lt;211&gt; 1263

&lt;212&gt; DNA

&lt;213&gt; Corynebacterium glutamicum

&lt;400&gt; 9

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1263

&lt;210&gt; 10

&lt;211&gt; 5860

&lt;212&gt; DNA

&lt;213&gt; Corynebacterium glutamicum

&lt;400&gt; 10

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27

&lt;210&gt; 12

&lt;211&gt; 28

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&lt;220&gt;

&lt;223&gt; Oligonucleotide

&lt;400&gt; 12

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28

&lt;210&gt; 13

&lt;211&gt; 5720

&lt;212&gt; DNA

&lt;213&gt; Corynebacterium glutamicum

&lt;400&gt; 13

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